

AVAILABLE COPY

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-019242

(43)Date of publication of application : 29.01.1993

(51)Int.Cl.

G02F 1/1333

G02F 1/133

G02F 1/133

G02F 1/1343

H04N 9/31

(21)Application number : 03-176620

(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

(22)Date of filing : 17.07.1991

(72)Inventor : NISHII TOSHIHIRO

## (54) LIQUID CRYSTAL PANEL

## (57)Abstract:

PURPOSE: To decrease the number of pieces of ICs to be used, and to reduce the cost of the liquid crystal panel by forming integrally three pieces of liquid crystal panels and using a scanning line driving IC in common.

CONSTITUTION: By integrating three pieces of liquid crystal panels onto one piece of lower side substrate 1, a scanning line 5 is used in common and driven by two pieces of scanning line driving ICs 4. As for a data line 6, different signals are inputted to three pieces of liquid crystal panels, respectively, but as for the scanning line 5, a scan in the vertical direction is its purpose, therefore, three pieces of liquid crystal panels can all be used in common by the same signal. In this case, possibility that the manufacturing yield is deteriorated against a defect of the liquid crystal panel is also high, therefore, it is also considered that three pieces of liquid crystal panels having no defect manufactured as a conventional method are connected to one piece of panel by using a connection FPC. According to this method, it does not occur to become disadvantageous in respect of yield.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

T AVAILABLE COPY

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

---